

CLAIMS

1. A purified polynucleotide encoding a polypeptide with an amino acid sequence shown in SEQ ID NO:1.
2. The polynucleotide of Claim 1 wherein the nucleic acid sequence comprises SEQ ID NO:3, or its complement.
3. An antisense molecule comprising the nucleic acid sequence complementary to at least a portion of the polynucleotide of Claim 2.
4. An expression vector comprising the polynucleotide of Claim 1.
5. A host cell transformed with the expression vector of Claim 4.
6. A method for producing a polypeptide comprising the amino acid sequence shown in SEQ ID NO:1, the method comprising the steps of:
 - a) culturing the host cell of Claim 5 under conditions suitable for the expression of the polypeptide; and
 - b) recovering the polypeptide from the host cell culture.
7. A diagnostic test for conditions associated with expression of the nucleic acid sequence shown in SEQ ID NO:3 in a biological sample comprising the steps of:
 - a) combining the biological sample with the polynucleotide of Claim 1, or a fragment thereof, under conditions suitable for the formation of hybridization complex; and
 - b) detecting the hybridization complex, wherein the presence of the complex correlates with expression of the polynucleotide of Claim 1 in the biological sample.
8. A purified polypeptide comprising the amino acid sequence of SEQ ID NO:1.
9. An antibody of the polypeptide of Claim 8.
10. A diagnostic test for conditions associated with the expression of the polypeptide of SEQ ID NO:1 in a biological sample comprising the steps of:
 - a) combining the biological sample with the antibody of Claim 9, under conditions suitable for the antibody to bind the polypeptide and form a complex; and
 - b) detecting the complex, wherein the presence of the complex correlates with the expression of the polypeptide in the biological sample.
11. A purified polynucleotide encoding a polypeptide with an amino acid sequence shown in SEQ ID NO:2.
12. The polynucleotide of Claim 11 wherein the nucleic acid sequence comprises SEQ ID NO:4, or its complement.
13. An antisense molecule comprising the nucleic acid sequence complementary to at

least a portion of the polynucleotide of Claim 12.

14. An expression vector comprising the polynucleotide of Claim 11.

15. A host cell transformed with the expression vector of Claim 14.

16. A method for producing a polypeptide comprising the amino acid sequence shown in

SEQ ID NO:2, the method comprising the steps of:

a) culturing the host cell of Claim 15 under conditions suitable for the expression of the polypeptide; and

b) recovering the polypeptide from the host cell culture.

17. A diagnostic test for conditions associated with expression of the nucleic acid sequence shown in SEQ ID NO:4 in a biological sample comprising the steps of:

a) combining the biological sample with the polynucleotide of Claim 12, or a fragment thereof, under conditions suitable for the formation of hybridization complex; and

b) detecting the hybridization complex, wherein the presence of the complex correlates with expression of the polynucleotide of Claim 1 in the biological sample.

18. A purified polypeptide comprising the amino acid sequence of SEQ ID NO:2.

19. An antibody of the polypeptide of Claim 18.

20. A diagnostic test for conditions or diseases such as leukemias or malignant local tumors associated with the expression of the polypeptide of SEQ ID NO:2 in a biological sample comprising the steps of:

a) combining the biological sample with the antibody of Claim 19, under conditions suitable for the antibody to bind the polypeptide and form a complex; and

b) detecting the complex, wherein the presence of the complex correlates with the expression of the polypeptide in the biological sample.

5640923260
1/5
A

20

ADD
A3

ADD
X1

ADD F'